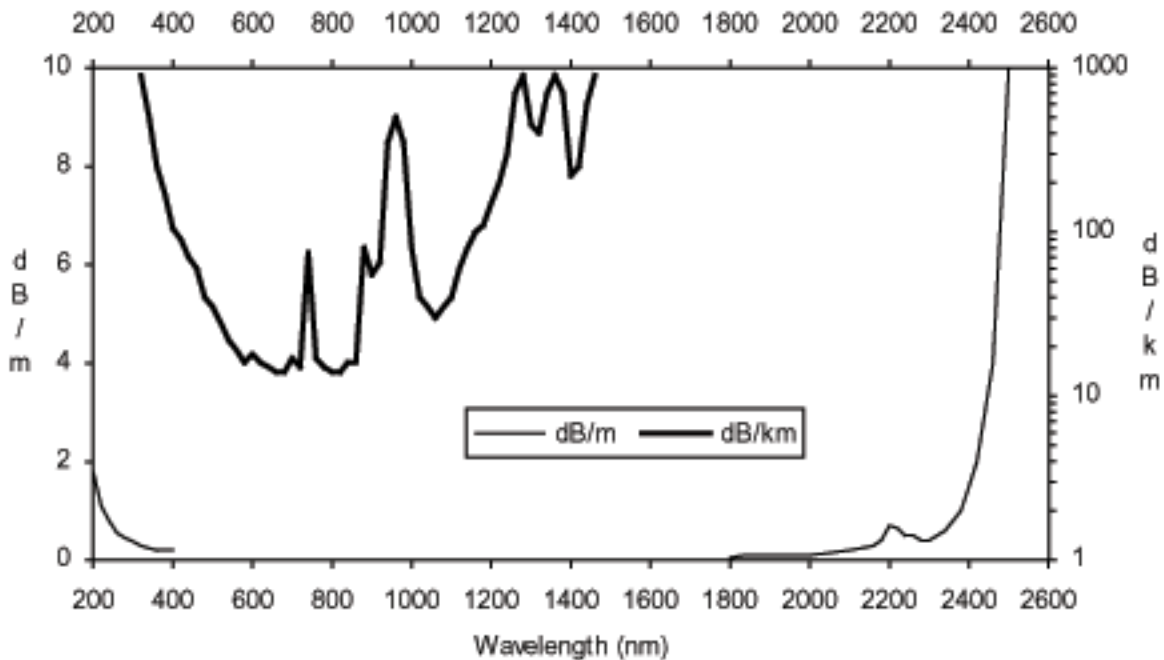
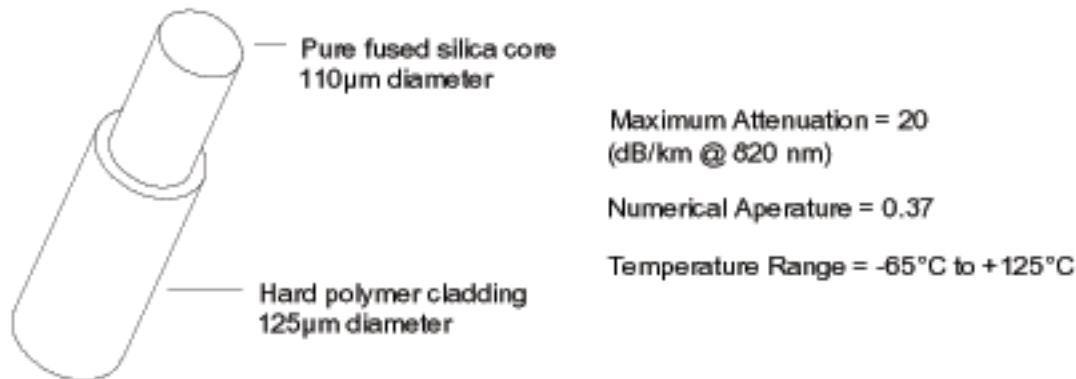


## FUSED SILICA FIBER OPTICS

Most of our existing glass fiber geometries are available with fused silica. Please call us for a quote. Our fused silica fiber consists of a radiation resistant silica core and a bonded hard polymer cladding. This construction features high core-to-clad ratio, high tensile strength, excellent static fatigue resistance, and high mechanical reliability. High transmittance down to 200 nm, these fibers can be utilized for deep UV curing, endoscope illumination, mapped laser scanning and delivery. Below are the specifications and graph of typical maximum spectral attenuation.



The dark bold line is spectral transmission in dB/km refer to the right hand scale. The thin line is in dB/m refer to the left hand scale. When reading the graph to decide if fused silica is applicable for the wavelength of your interest, keep in mind that 45dB/km and lower convert to 99% or better transmission per meter. Actual attenuation values at specific wavelengths can be obtained if needed.